combustible valuta ; and of this amount of H,080 calories, thoro will (in the fart* of a view which even at present appears not to have wholly vanished), he absolutely no deduction required, in the case of complete or incomplete combustion In all processes.
(1al< tries.
Taking the combust ihlo value of 1 kilogruimno 0 at N,OSO Antl tho rombustiblo vulun of 1-80 cubic metro IX)
ctiiitiuuiujLc I kUn|*ntmino (< at .... f>,OJ)3 Tho diiTormu'o w tliun .
. . 2,<187
/>., the amount of heat which would bo liberated on tho comhuHfion of 1 kilogramme 05 to 00, or the heat of coiubuHtion of carbon to carbon monoxide.
(h) THK TwMi'KH.vn'HK IN UKAXTION %ONK IN TIIK PRODUCTION
OK AIH«(!AS.
Previously (p. Ji7), on the basis of practical exporiinonis, it has been established that the numt favourable conditions for the production of (!() from carbon are provided, if the temperature in the reaction /.one amount from 1,000" to l,lti.7', and ifc \\ill be usHttnted in tho following investigations that Uusrts hhull bo a pausing of toiuj)t»ruturo at l,150n. Tho small HtirpluH of *2fi ' will be. re.gartled as a rtmt^rvo, which can thus nerve to baliuice chance inaceuracuw which must arise* in the f«*Ilo\\in^ calculatitJim owing to the unreliability of tho valueB employed for the specific heats of #HHOH at higli tempcniitureH. Thene values urn regarded by many HH being to Huch an oxttaifc inexact that they hold as valueless calculations in which they have henn employed. And though there remains no other way to approach the problem, one will be obliged to compare thii results of nuch kinds of calculations with the results of practical observations an frequently an possible, and if thoso come neur the cnlculuttul ones, one will not be able to deny a certain value to the latter.
('nlurifft.
N*»w flu* t'urlnm pv«*w*nt in thti rcmclinu xom» at a t<n«-|H«ruf tiro nf Ijl^O'1
j«»hsi«Hw»H u ht»ut contont tho tunouut *if wtiirli (utu'ttnitti^ t«> VM»I«*H turtnulii for tho Kpociflc*. hi'iit nf rnkn <•'„ -.O'liOirj O'tHHMWJf) W UHCortainoiI lit . 81 tt
Tht» h««ut *>f roinliUHti*»u of I ktlogrioturu* U to (H) in (i««//! prowling HiM'tiott} 2,3HT
Thus tho oiiortfy content which 1 kilogramme O at l»lf)<)'(
cun tihiiimt^ iu thu produrtitiii of < !O w . . . 2»7(HI